

Amendments to the Claims

The listing of claims will replace the previous version, and the listing of claims.

Listing of Claims

1. (currently amended) A gas chromatograph with a fluid control assembly for controlling flow and pressure of gas, said fluid control assembly comprising:

a flow path,

a control valve situated in the flow path and being capable of adjusting an opening degree thereof,

a flow resistance provided in the flow path at a downstream side of the control valve,

a sample introducing part provided in the flow path at a downstream side of the flow resistance,

first pressure detecting means attached to the flow path between the control valve and the flow resistance for detecting a pressure thereat,

second pressure detecting means attached to the flow path between the flow resistance and the sample introducing part for detecting a pressure thereat, and

control means attached to the control valve and the first and second pressure detecting means for carrying out a predetermined calculation based on signals from the first and second pressure detecting means for controlling the opening degree of the control valve so that flow amount or pressure in the flow path can be controlled at a predetermined value ~~by~~ based on the first and second pressure detecting means,

wherein said flow amount is calculated based on a value of the second pressure detecting means and a differential pressure value between the first and second pressure detecting means, and the flow pressure is obtained from the second pressure detecting means.

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2-7. (canceled)